

# ARISTA INDRAJAYA

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## PROFESSIONAL SUMMARY

Full-stack software engineer with 6+ years of experience building secure, scalable web applications and blockchain solutions for production systems. Expertise in REST API architecture, Web3 integrations, and web performance optimisation (Core Web Vitals, accessibility). Led 10+ client projects from concept to launch and mentored 80+ developers with an 80-85% industry placement rate.

## TECHNICAL SKILLS

- Core Stack: JavaScript, Typescript, React.js, Node.js, PHP (Laravel), HTML & CSS, Python (FastAPI), TailwindCSS
- Blockchain/Web3: Ethereum, ethers.js, Web3.js, IPFS, MetaMask
- API & Integration: API Development, OpenAI API, AWS Lambda, n8n (Automation)
- Web Quality: Core Web Vitals, Web Accessibility
- DevOps & Tooling: AWS, Git, Mintlify, Docusaurus, OpenAPI Spec
- AI-Assisted Development: Claude Code, GitHub Copilot, Cursor

## PROFESSIONAL EXPERIENCE

### Freelance Full-Stack Engineer

[Upwork](#) (Contract)

*January 2025 - Present*

- Addressed critical security gaps by building an AWS-based smart contract audit lab using Node.js and Solidity analysis tools, enhancing security assessment capabilities and increasing audit throughput to 20 contracts weekly (27% improvement)
- Solved complex integration challenge by developing an AI-powered image generator (OpenAI API, Gemini Image Generator, PHP) as a custom Elementor shortcode, delivering seamless text-to-image functionality that saved the client 10 hours per week.
- Resolved poor developer experience by leading API documentation migration to Mintlify, improving clarity and reducing developer onboarding time from 3 days to 1.5 days (50% improvement)

### Software Developer

[Pena](#) (Full-time)

*March 2023 - December 2024*

- Refactored Penateam's website using React.js and modern JavaScript standards, directly improving Lighthouse Accessibility score from 89 to 97 and SEO score from 95 to 100
- Engineered advanced scraping strategies (PHP/Node.js) to capture over 1,000 data points daily, automating 2 hours of manual work for the client ([MrScraper](#) Project)
- Optimised data processing by implementing AWS Lambda and AI agents, speeding up workflows by 7% and improving data accuracy from 90% to 95%
- Successfully led 10 diverse client projects (from game NFTs to property tech) from concept to launch, ensuring seamless API integration across all ecosystems.

## Software Developer

### RWID - Project [Artopologi](#) (Full-time)

January 2022 - March 2023

- Drove 20% daily user growth by leading core Web3 integration (React.js, ethers.js, MetaMask), enabling users to mint, transfer, and list artwork on the Ethereum blockchain
- Reduced operational costs by 5-7% by architecting and building a new NodeJS API to deliver blockchain transaction history, supporting over 50 artist users
- Advised on blockchain architecture, including IPFS storage, MetaMask wallet integration, and Web3.js implementation to improve platform performance

## Frontend Facilitator

### [Binar Academy](#) (Full-time)

August 2020 - August 2022

- Mentored 58 aspiring front-end developers, successfully guiding 85% into the IT industry as ReactJS specialists
- Selected as Industry Mentor for Kampus Merdeka 2022, leading a national cohort of 25 students to an 80% graduation rate in Frontend ReactJS development

## Blockchain Developer

### iGrowChain (Full-time)

March 2019 - July 2020

- Led development of new Ethereum-based blockchain system, cutting costs and reducing intermediaries by 20%
- Contributed to the technology stack that successfully secured a P2P lending license in Indonesia

## EDUCATION

### Computer Science / Education of Information Technology

Universitas Negeri Surabaya, Graduate 2017, GPA 3.36/4.00

## CERTIFICATIONS

- MikroTik MTCNA Certificate (License: 1502NA424)
- Binar Academy Facilitator ([credential](#))

## KEY PROJECTS

- **ChainX** – Smart contract security scanner built with Node.js, combining static analysis and AI agents (OpenAI API, Perplexity API). (<https://chainx.id>)
- **Arto NFT Members** – NFT Loyalty & Rewards System (ERC-1155, Solidity, React.js) leveraged the **ERC-1155 standard** to architecture a scalable loyalty program, enabling efficient batch reward distribution and multi-tier membership access. <https://memberships-nft.vercel.app/>
- **Technical Writing** — Published articles on blockchain development ([Medium](#), [Better Programming](#))
- **Jan AI Contributions** - Restructured documentation site for [janhq/jan](#) with 113 commits: implemented Tailwind CSS UI, created quickstart guides, and integrated Scalar API docs. ([Commits](#) · [janhq/jan](#) · [GitHub](#))<sup>9</sup>

## LANGUAGES

Indonesian (Native), Javanese (Native), English (Full Professional Proficiency)